



May 19, 2020

FEDERAL COMMUNICATIONS COMMISSIONS

Authorization and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

Subject: Description of Permissive Change

Dear Sir/Madam,

We, Cisco Systems, Inc. hereby authorize Bay Area Compliance laboratory Corp to act as a laboratory for testing and test report generation for the following project(s):

FCC ID: LDK-HTIAK2282      Model: C9124AXD-B

This project is a Permissive Change II submission for the purpose of [adding additional model number, C9124AXD-B](#). The difference between [C9124AXI-B](#) and [C9124AXD-B](#) is they have different antenna gain. Please refer to the following lists for the antenna information:

**Ithaca (Internal Antenna) Model C9124AXI-x**

Frequency	Antenna Name		Antenna Gain
2.4GHz & 5GHz (Wi-Fi)	Antenna 1	TX/RX: internal	7dBi@2.4GHz 7dBi@5GHz
2.4GHz & 5GHz (Wi-Fi)	Antenna 2	TX/RX: internal	7dBi@2.4GHz 7dBi@5GHz
2.4GHz & 5GHz (Wi-Fi)	Antenna 3	TX/RX: internal	7dBi@2.4GHz 7dBi@5GHz
2.4GHz & 5GHz (Wi-Fi)	Antenna 4	TX/RX: internal	7dBi@2.4GHz 7dBi@5GHz
BLE	Antenna T	TX/RX: internal	5dBi
2.4GHz & 5GHz (Aux)	Antenna A	TX/RX: internal	6dBi@2.4GHz 7dBi@5GHz
2.4GHz & 5GHz (Aux)	Antenna B	RX: internal	6dBi@2.4GHz 7dBi@5GHz



### Ithaca (Internal Antenna) Model C9124AXD-x

Frequency	Antenna Name		Antenna Gain
2.4GHz & 5GHz (Wi-Fi)	Antenna 1	TX/RX: internal	9dBi@2.4GHz 9dBi@5GHz
2.4GHz & 5GHz (Wi-Fi)	Antenna 2	TX/RX: internal	9dBi@2.4GHz 9dBi@5GHz
2.4GHz & 5GHz (Wi-Fi)	Antenna 3	TX/RX: internal	9dBi@2.4GHz 9dBi@5GHz
2.4GHz & 5GHz (Wi-Fi)	Antenna 4	TX/RX: internal	9dBi@2.4GHz 9dBi@5GHz
BLE	Antenna T	TX/RX: internal	4dBi
2.4GHz & 5GHz (Aux)	Antenna A	TX/RX: internal	9dBi@2.4GHz 9dBi@5GHz
2.4GHz & 5GHz (Aux)	Antenna B	RX: internal	9dBi@2.4GHz 9dBi@5GHz

We affirm that between BACL and Cisco Systems, Inc., any difference in understanding, including test plan, measurement methods, applicable standards and relevant procedures and processes have been resolved prior to commencement of testing activities.

This authorization is valid until further written notice from the applicant.

Sincerely Yours,

**Client's signature**

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